

# Memorandum



**Date:** July 11, 2007

**To:** Honorable Chairperson Natacha Seijas  
and Members, Governmental Operations and Environment  
Committee

GOE  
Agenda Item No. 7D

**From:** George M. Burgess  
County Manager

**Subject:** Storm Drain Cleaning Report No. 5

At the February 7, 2006, meeting of the Board of County Commissioners (BCC), it was requested that a recurring report be provided to this Committee, formerly known as the Infrastructure and Land Use Committee (INLUC), regarding the status of storm drain cleaning activities by Commission District. Storm Drain Cleaning Reports No.'s 1 through 4 documenting the progress of storm drain cleaning efforts of debris from Hurricanes Katrina and Wilma were provided quarterly at previous committee meetings.

The Federal Emergency Management Agency (FEMA) funded Drain Cleaning started in January 2007. The Federal Highway Administration (FHWA) funded work commenced in June of this year. On-going routine maintenance activities and the Public Works Department's response to specific service calls throughout the County remain unaffected and continue as planned.

The total funding for this storm drain cleaning project is approximately \$13.5 million with a 100% FEMA contribution of \$6.33 million, an 80% FHWA contribution of \$5.75 million, and a County share of \$1.4 million (this is the 20% County share for FHWA). The original cost-share for FEMA-approved funding was 75% FEMA, 12.5% State of Florida, and 12.5% County. However, there was a rider attached to the Iraq War funding bill, signed by the President on May 28, 2007, that provided a 100% Federal cost-share for all of the 2005 disasters in Florida. The agreement with FEMA also states that the County will be eligible for reimbursement of actual costs, should these costs exceed the allocated amount. The cost-share for FHWA funding remains at 80% FHWA and 20% County. All County matching funds will be provided from the Stormwater Utility.

Included as part of this report, please find the drain cleaning data for the months of January through May and the Commission District Maps. These attachments depict projections based on work completion progress listed by Commission District location. Each map identifies the drain cleaning work already completed, the work currently underway, and the work anticipated to occur within the next four (4) months. As this program's goal is to reduce flooding, the objective is to correct flood prone areas first. All flood identified areas are anticipated to be completed by September 2007, and the cleaning of all remaining drains within the County's jurisdiction by June 2008. The projections are based on average drain cleaning production rates and the inventory of drains in each District. Each Commission District will have crews assigned each month until the drain inventory is complete.

The production for January and February is low in some Districts because these are not full month's worth of data. One (1) FEMA contractor commenced in January and the other three (3) were phased in during the month of February.

Attachments

  
Assistant County Manager

**Miami-Dade County PWD  
Storm Drain Cleaning Report  
Calendar Year 2007**

**Drainage Activities Work By Commission District**

FEMA Drain Cleaning	DC
Public Works Department Drain Cleaning	LFPC
PWD Active Routine Maintenance Contracts	DC
Completed 1/29/07	LFPC

**DC = Drains Cleaned  
LFPC = Linear Feet of Pipe Cleaned**

	January	February	March	April	May	June	July	August	September	October	November	December
District 1 Commissioner Jordan	246 51 8624	98 809 61674	24 1037 66193	1161 64530	17 868 31253							
District 2 Commissioner Rolle	55 505 2400	98 656 33273	50 651 50362	53 508 32825	69 341 4395							
District 3 Commissioner Edmonson	2 37 100	7 240 3063	39 134 725	42 84 8436	18 160 2700							
District 4 Commissioner Heyman	9 400	9 303 256	343 20092	10 63 472	47 115 3734							
District 5 Commissioner Barreiro		2 193 10420	13 521	22 63 4145	9 360							
District 6 Commissioner Sosa		10 190	26 536	16 552	52 1921							
District 7 Commissioner Glimenez	17 960	656 27135	32 72 1050	12 34 4072	15 9 280							
District 8 Commissioner Sorenson	46 983	462 2279	213 32403	202 76 5774	61 720 4813							
District 9 Vice-Chairman Moss	463 13760	153 88 3820	362 85 7595	123 288 4254	54 470 1817							
District 10 Commissioner Soulo	335 7587	118 456 1583	46 454 16075	222 1055 3426	180 1142 36951							
District 11 Chairman Martinez	79 1100	153 195 2080	23 545 15490	132 625 27784	296 522 1381							
District 12 Commissioner Diaz	164 5033	140 588 3211	89 94 4208	187 541 9680	43 573 32853							
District 13 Commissioner Seijas	4 48	14 270 21050	2 251 0	219 17270	12 600							

Note: At-risk basins and emergency/service calls are handled by PWD. PWD also handles regular operational maintenance based on maintaining a maximum 8-year cleaning cycle for the entire system. In addition, PWD handles repair and mitigation activities after damages to the system by hurricanes and other storms. Priorities for this type of work are set depending on the extent of the damage and approved funding.

**Monthly Work Summary for FEMA Drain Cleaning**

**May 20th Cut-off Date:**

- > All FEMA contractors working at maximum capacity: Commission Districts 1, 2, 3, 4, 6, 7, 8, 9, 10, 11, & 12
- > Commission Districts 5 and 13 are complete

**Miami-Dade County PWD  
Storm Drain Cleaning  
Projection Report**

**Planned Drain Cleaning Work By Commission District**

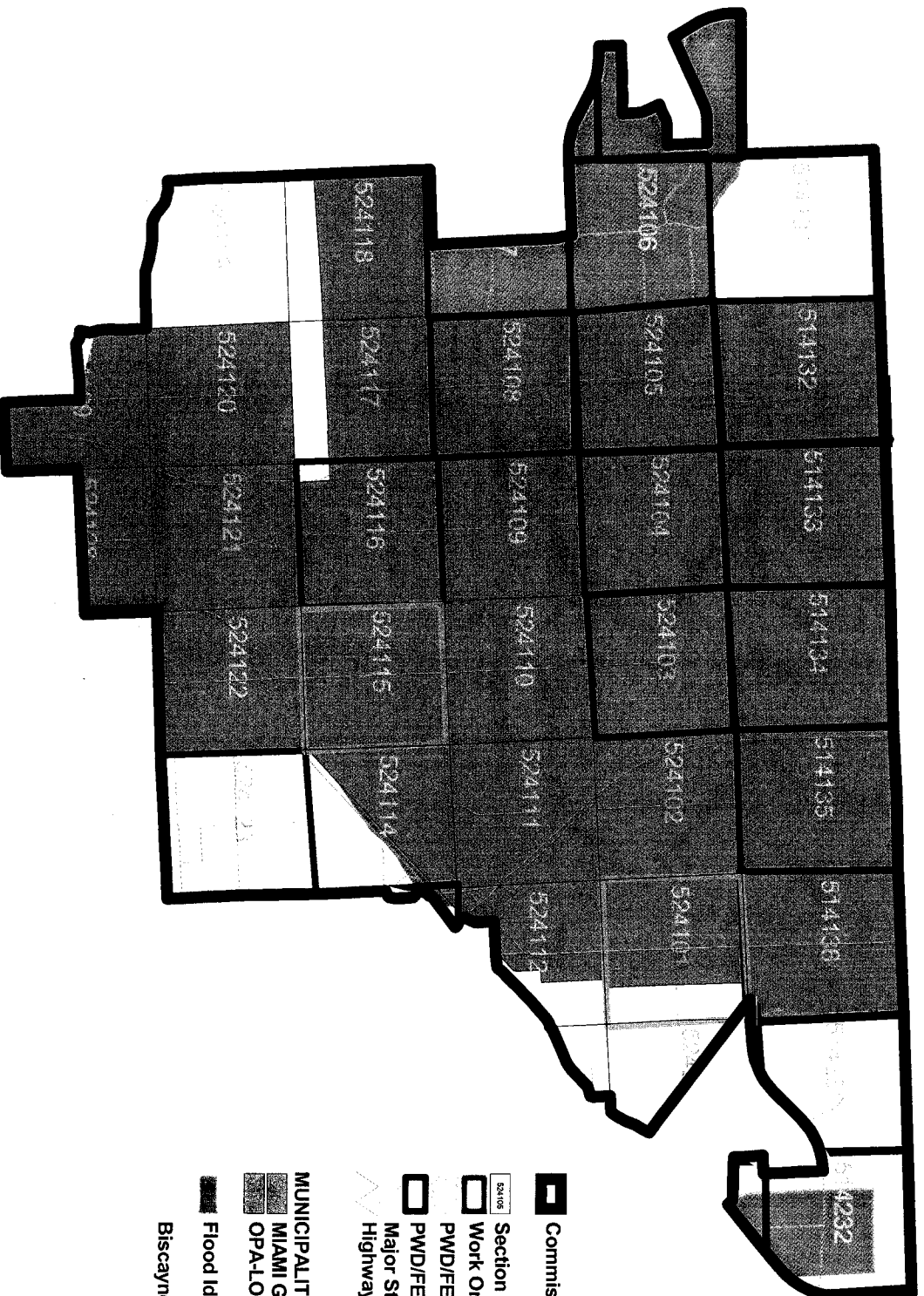
Combined PWD and FEMA (\$6.3M) Drain Cleaning	Actual Cleaned Planned Cleaned
Combined PWD, FEMA (\$6.3M), and FHWA (\$5.75M) Drain Cleaning	Actual Cleaned Planned Cleaned

Drain Inventory By Commission District	Drains Cleaned Per Month By County Forces and Contractors											
	Jan'07	Feb'07	Mar'07	Apr'07	May'07	Jun'07	Jul'07	Aug'07	Sep'07	Oct'07	Nov'07	Dec'07
District 1: 9,800 Drains	297	907	1061	1161	629							
Commissioner Jordan	260	260	260	260	470	470	510	790	800	800	800	800
District 2: 7,700 Drains	560	754	901	561	410							
Commissioner Rolle	260	260	260	260	470	470	510	790	800	800	800	800
District 3: 1,900 Drains	39	7	173	106	178							
Commissioner Edmonson	260	260	260	260	470	470	Projected Complete					
District 4: 2,600 Drains	9	312	343	73	163							
Commissioner Heyman	260	260	260	260	470	470	510	Projected Complete				
District 5: 700 Drains		195	13	85	9							
Commissioner Barreiro	260	260	260	FEMA Complete								
District 6: 2,700 Drains		10	97	451	675							
Commissioner Sosa	260	260	260	260	470	470	510	Projected Complete				
District 7: 2,800 Drains	17	558	104	46	24							
Commissioner Gimenez	260	260	260	260	470	470	510	790	Projected Complete			
District 8: 6,200 Drains	46	570	604	278	781							
Commissioner Sorenson	260	260	260	260	470	470	510	790	800	800	800	800
District 9: 15,900 Drains	463	241	447	408	524							
Vice Chairman, Commissioner Moss	260	260	260	260	470	470	510	790	800	800	800	800
District 10: 9,900 Drains	335	574	500	1277	1322							
Commissioner Souto	260	260	260	260	470	470	510	790	800	800	800	800
District 11: 9,700 Drains	79	348	568	757	818							
Chairman, Commissioner Martinez	260	260	260	260	470	470	510	790	800	800	800	800
District 12: 12,100 Drains	164	151	183	728	616							
Commissioner Diaz	260	260	260	260	470	470	510	790	800	800	800	800
District 13: 2,500 Drains	4	284	253	219	12							
Commissioner Seijas	260	260	260	FEMA Complete	470	470	510	Projected Complete				

Note 1: At-risk basins and emergency/service calls are primarily handled by PWD. PWD also handles regular operational maintenance based on maintaining a maximum 8-year cleaning cycle for the entire system. In addition, PWD handles repair and mitigation activities after damages to the system by hurricanes and other storms. Priorities for this type of work are set depending on the extent of the damage and approved funding.

Note 2: A portion of the drains in Commission Districts 1, 2, 3, 6, 9, 11, & 13 were already cleaned after Hurricanes Katrina and Wilma with the STDC1, STDC2, and STDC3 maintenance contracts. Therefore, those drains will not be cleaned by FEMA or FHWA.

# Drainage Inlets Cleaned Commission District 1



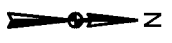
- ☒ Commission District 1 - Barbara J. Jordan
- ☐ Section Township and Range
- ☐ Work Order Issued
- ☐ PWD/FEMA Work On-going
- ☐ PWD/FEMA Work Completed
- ☐ Major Streets
- ☐ Highways
- ☐ MUNICIPALITIES (Not Maintained by County)
- ☐ MIAMI GARDENS
- ☐ OPA-LOCKA
- ☐ Flood Identified Areas
- ☐ Biscayne Bay

# Drainage Inlets Cleaned Commission District 2



## LEGEND

- ☐ Commission District 2 - Dorrin D. Rolle
  - ☐ Section Township and Range
  - ☐ Work Order Issued
  - ☐ PWD/FEMA Work On-going
  - ☐ PWD/FEMA Work Completed
  - ☐ Major Streets
  - ☐ Highways
- 
- MUNICIPALITIES (Not Maintained by County)**
- ☐ Hialeah
  - ☐ Miami
  - ☐ North Miami
  - ☐ North Miami Beach
  - ☐ Flood Identified Areas
  - ☐ Biscayne Bay



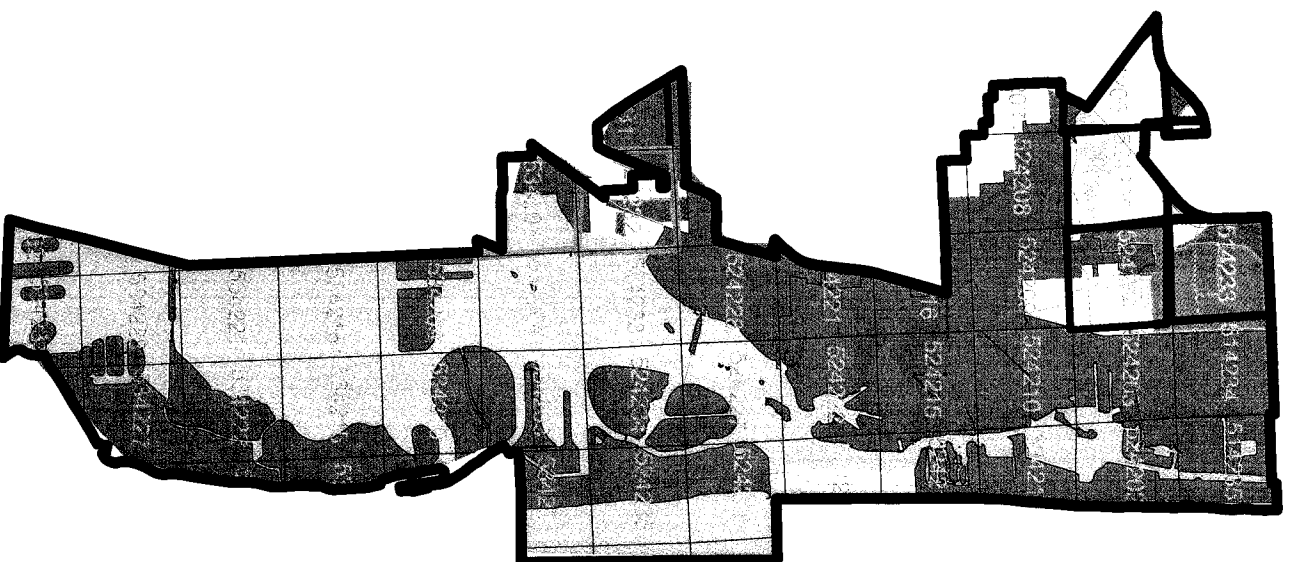
### LEGEND

- 6

**El Portal**  
**Miami**  
**Miami Shores**  
**North Miami**

- 

# Drainage Inlets Cleaned Commission District 4



## LEGEND

☐ Commission District 4 - Sally A. Heyman

☐ Section Township and Range

☐ Work Order Issued

☐ PWD/FEMA Work On-going

☐ PWD/FEMA Work Completed

☐ Major Streets

☐ Highways

MUNICIPALITIES (Not Maintained by County)

Aventura

Bal Harbour

Bay Harbor Island

Biscayne Park

Golden Beach

Indian Creek Village

Miami Beach

Miami Shores

North Bay Village

North Miami

North Miami Beach

Sunny Isles Beach

Surfside

☐ Flood Identified Areas

☐ Biscayne Bay



- Commission District 5 - Bruno Barreiro
- Section Township and Range
- Work Order Issued
- PWD/FEMA Work On-going
- PWD/FEMA Work Completed
- Major Streets
- Highways

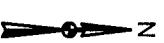
- Commission District 5 - Bruno Barreiro
- Section Township and Range Work Order Issued
- PWD/FEMA Work On-going
- PWD/FEMA Work Completed
- Major Streets
- Highways

**Flood Identified Areas**

**Miami**

**Miami Beach**

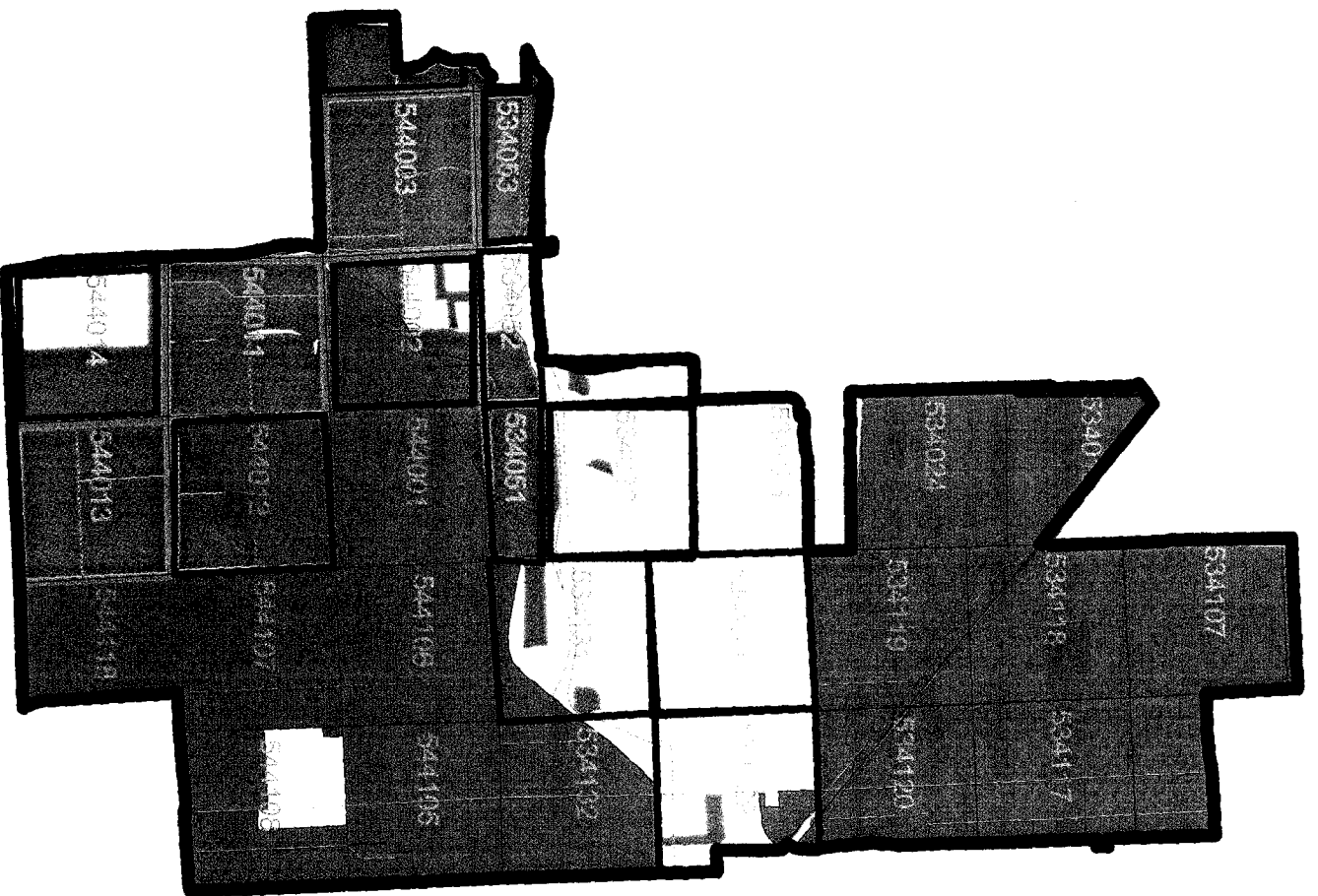
**Biscayne Bay**





# Drainage Inlets Cleared

## Commission District 6



### LEGEND

☒ Commission District 6 - Rebeca Sosa

☐ Section Township and Range  
Work Order Issued

☐ PWD/FEMA Work On-going

☐ PWD/FEMA Work Completed

☐ Major Streets

☐ Highways

**MUNICIPALITIES (Not Maintained by County)**

☐ Coral Gables

☐ Hialeah

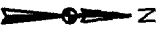
☐ Miami

☐ Miami Springs

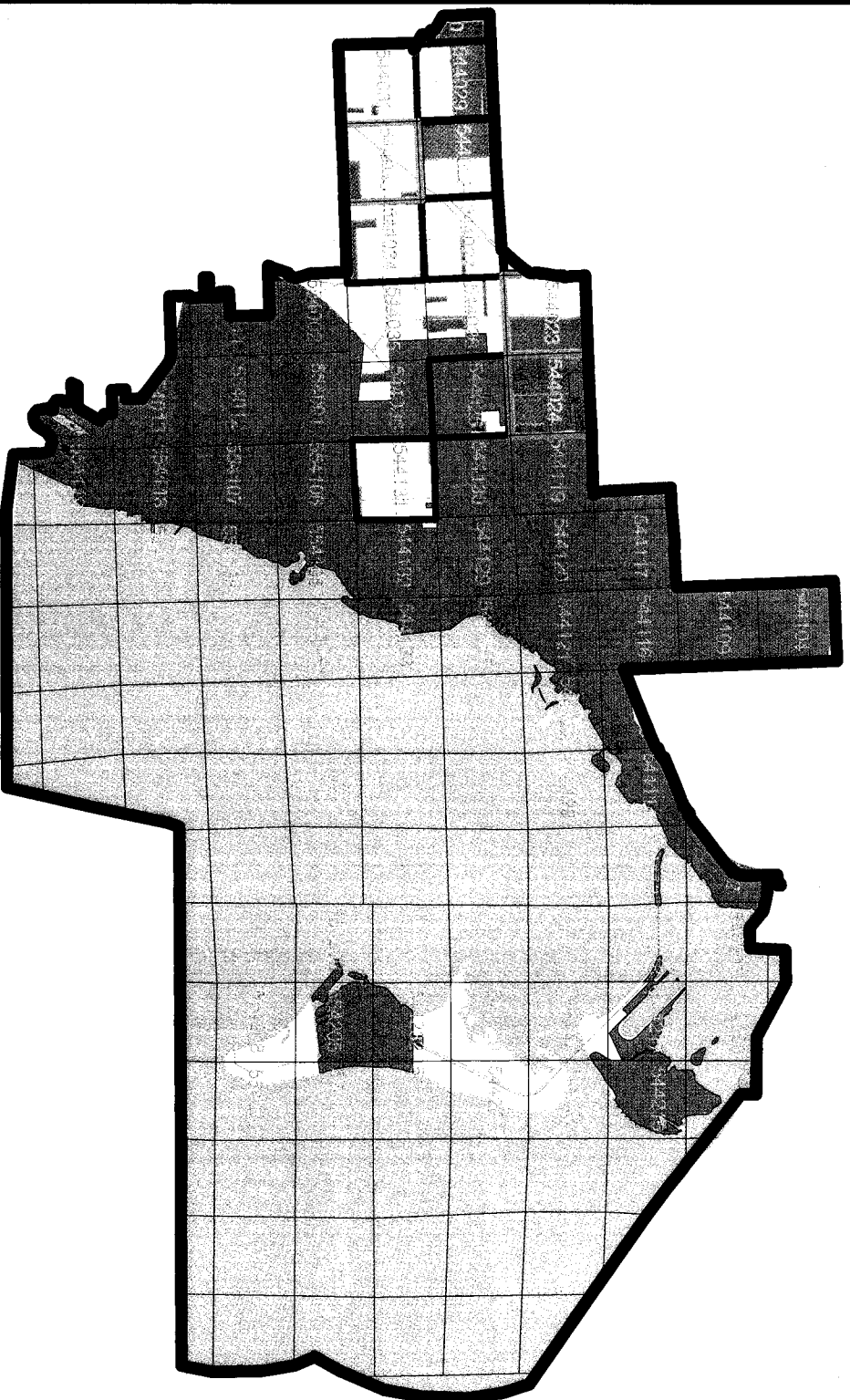
☐ West Miami

☐ Flood Identified Areas















☐ Biscayne Bay



# Drainage Inlets Cleaned Commission District 7

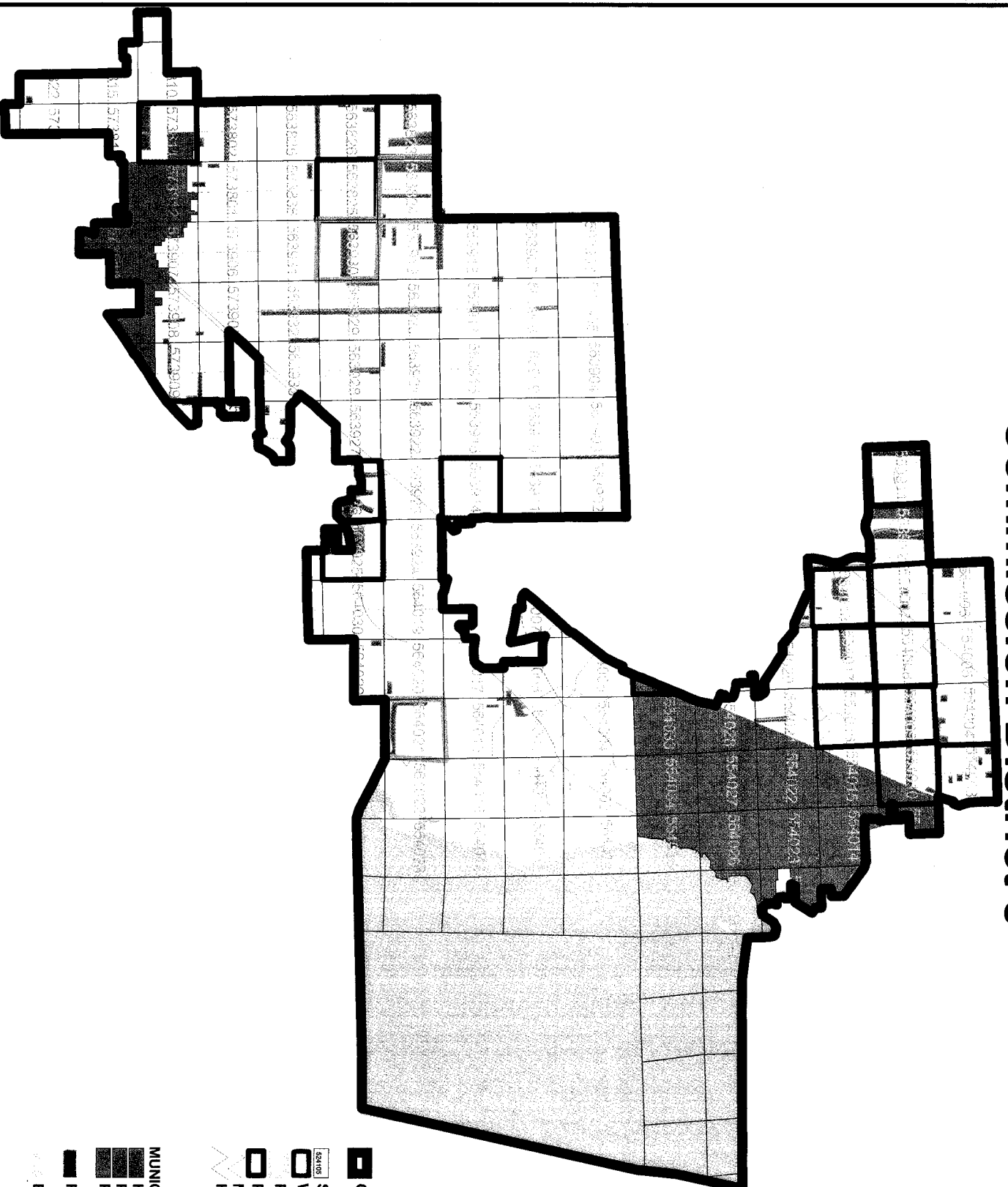


## LEGEND

-  Commission District 7 - Carlos Gimenez
  -  Section Township and Range
  -  Work Order Issued
  -  PWD/FEMA Work On-going
  -  PWD/FEMA Work Completed
  -  Major Streets
  -  Highways
- MUNICIPALITIES (Not Maintained by County)**
-  Coral Gables
  -  Key Biscayne
  -  Miami
  -  Pinecrest
  -  South Miami
  -  Flood Identified Areas
  -  Biscayne Bay








## 11



## LEGEND

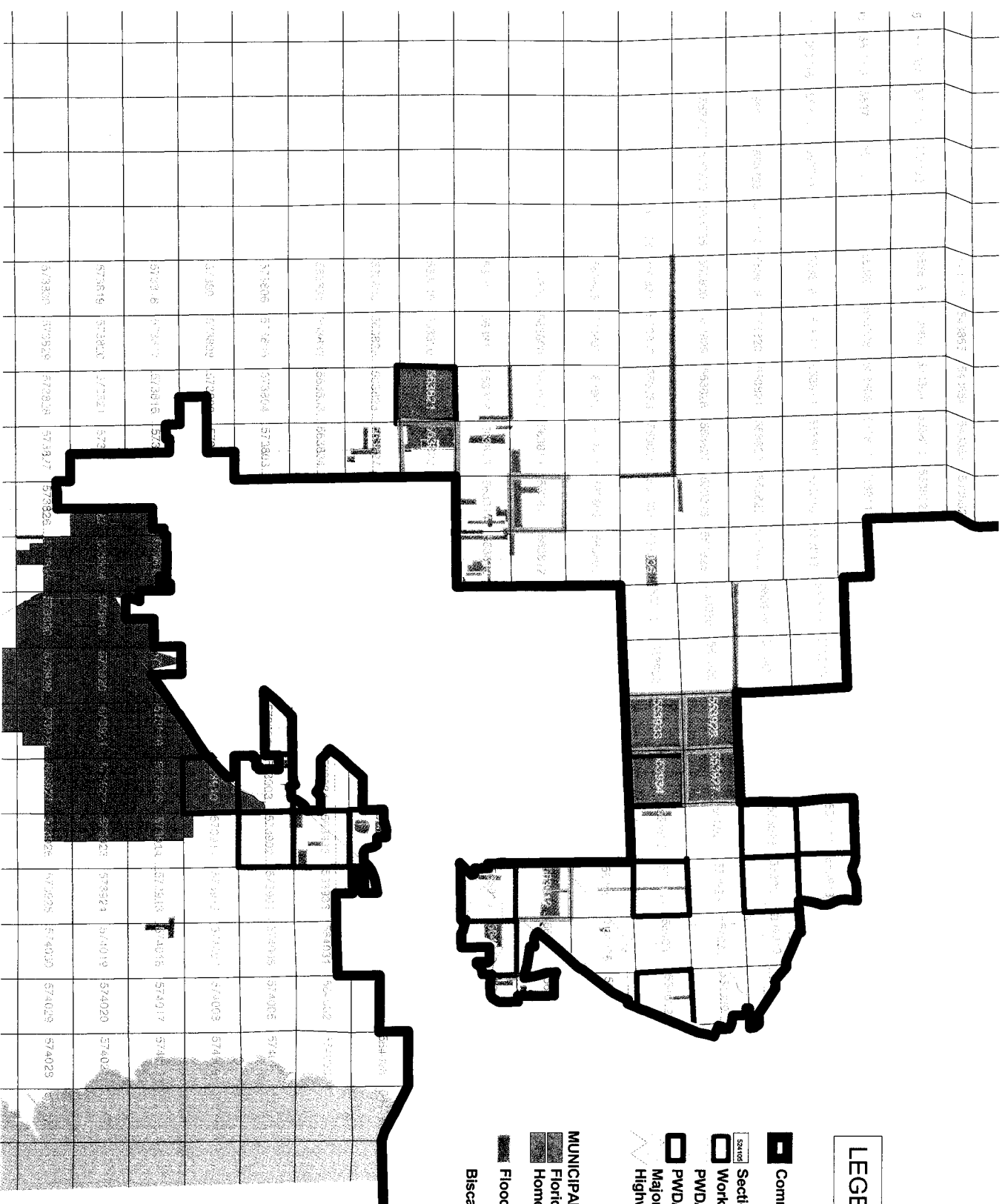
- Commission District 8 - Katy Sorenson
- Section Township and Range Work Order Issued
- PWD/FEMA Work On-going
- PWD/FEMA Work Completed
- Major Streets Highways

**MUNICIPALITIES (Not Maintained by County)**








-  Homestead  
 Palmetto Bay  
 Pinecrest  
 Flood Identified Areas  
 Biscayne Bay








# Drainage Inlets Cleaned Commission District 9



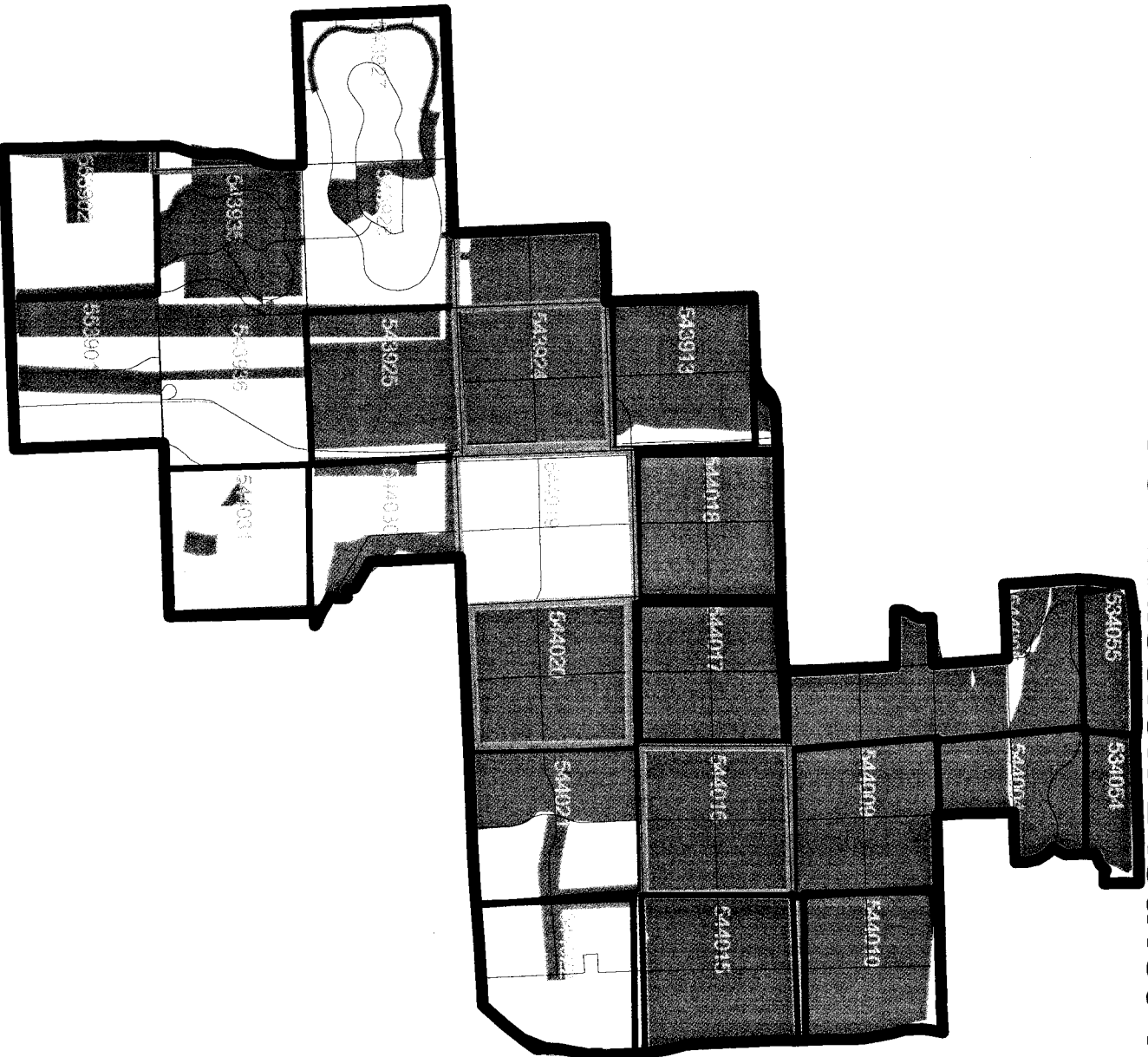
## LEGEND

-  Commission District 9 - Dennis C. Moss
-  Section Township and Range
-  Work Order Issued
-  PWD/FEMA Work On-going
-  PWD/FEMA Work Completed
-  Major Streets
-  Highways








-  MUNICIPALITIES (Not Maintained by County)
-  Florida City
-  Homestead
-  Flood Identified Areas
-  Biscayne Bay



# Drainage Inlets Cleaned Commission District 10



## LEGEND

-  Commission District 10 - Sen. Javier D. Souto
-  Section Township and Range
-  Work Order Issued
-  PWD/FEMA Work On-going
-  PWD/FEMA Work Completed
-  Major Streets
-  Highways

 Flood Identified Areas

 Biscayne Bay



# Drainage Inlets Cleaned Commission District 11



## LEGEND

 Commission District 11 - Jose A. Martinez


 Section Township and Range

 Work Order Issued

 PWD/FEMA Work On-going

 PWD/FEMA Work Completed

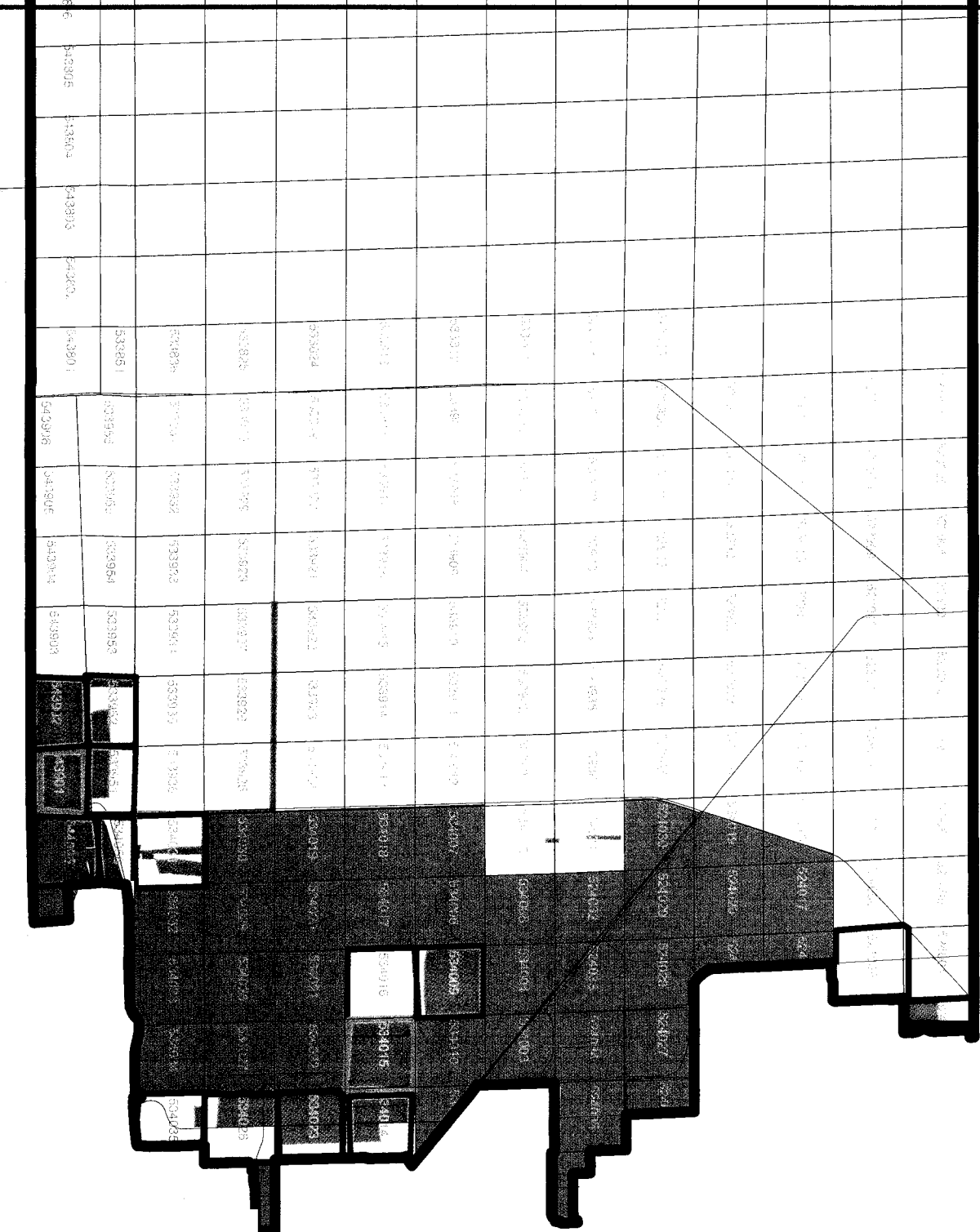
 Major Streets

 Highways

 Flood Identified Areas

 Biscayne Bay

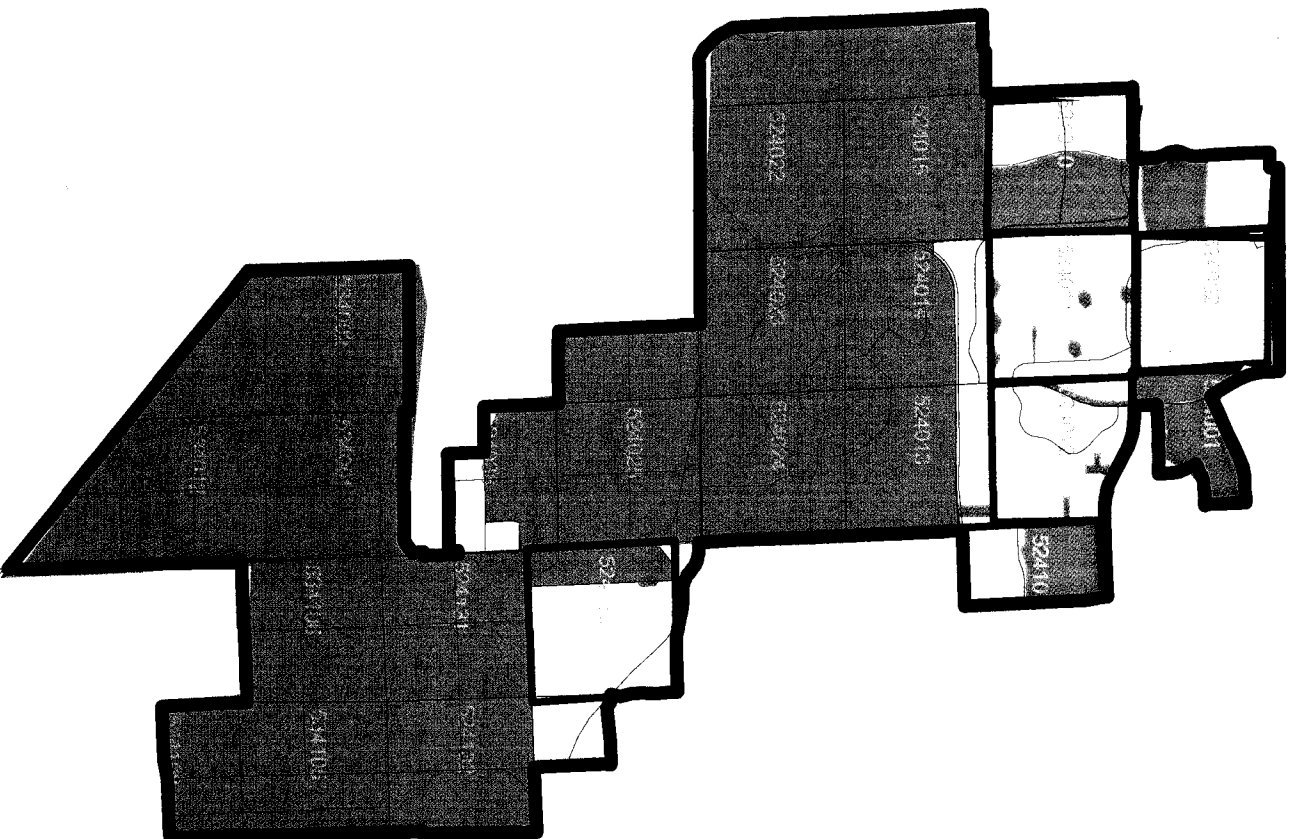
# Drainage Inlets Cleaned Commission District 12










## LEGEND

- Commission District 12 - Jose "Pepe" Diaz
  - Section Township and Range
  - Work Order Issued
  - PWD/FEMA Work On-going
  - PWD/FEMA Work Completed
  - Major Streets
  - Highways
- MUNICIPALITIES (Not Maintained by County)**
- Doral
  - Hialeah
  - Hialeah Gardens
  - Medley
  - Sweetwater
  - Virginia Gardens
  - Flood Identified Areas
  - Biscayne Bay

# Drainage Inlets Cleaned Commission District 13




## LEGEND

-  Commission District 13 - Natasha Seijas
-  Section Township and Range
-  Work Order Issued
-  PWD/FEMA Work On-going
-  PWD/FEMA Work Completed
-  Major Streets
-  Highways

MUNICIPALITIES (Not Maintained by County)

-  Hialeah
-  Miami Lakes

 Flood Identified Areas

 Biscayne Bay

